

Claims

1. A landing flap guide for aircraft, wherein a guide element is connected to a landing flap that is supported in a guide rail and that is adjustable between a take-off position and a landing position, wherein the guide element (4) is realized as a slide that is adjustable in the form of an essentially straight landing flap carrier (3) as a guide by means of at least one glide guide (41, 42; 43, 44) of the landing flap carrier (3).
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- 10 2. The landing flap guide of claim 1, wherein the glide guide comprises at least one glide element (41; 43) as well as an assigned recess (42; 44), into which the glide element extends and in which it is guided in a gliding manner.
- 15 3. The landing flap guide of claim 1 or 2, wherein a first and a second glide guide (41, 42; 43, 44) are provided that respectively comprise three glide pairs and are designed for at least absorbing forces that essentially act upon the landing flap carrier (3) perpendicularly.
- 20 4. The landing flap guide of one of claims 1 to 3, wherein the air loads exerted by the landing flap (1) are absorbable by a first and a second glide pair (43, 44) and mass forces are absorbable by a third glide pair (43, 44).
- 25 5. The landing flap guide of one of claims 1 to 4, wherein at least one glide guide (41, 42; 43, 44) has glide surfaces that are made of at least one material of the following group: metals with coating, metals without coating, ceramics, synthetic materials with embedded ceramics or metals, fiber-reinforced synthetic materials, fiber-reinforced ceramics, as well as carbon layers applied onto a substrate in a plasma.